



POLYMÈRES
technologies

TECHNO BOND 3056

POLYURETHANE
elastomeric adhesive

DESCRIPTION

TECHNO BOND 3056 is two components, 100% solid elastomeric polyurethane adhesive. It is a thixotropic liquid which possesses a long pot life and an elongation rate of 300%. This adhesive is highly used in the assemblies of different substrates such as natural and synthetic rubbers to metal, concrete, plastics, wood and composites. This adhesive is also a waterproof adhesive which possesses a very good heat resistance.

CHARACTERISTICS

- Waterproof
- Easy to mix
- Resistant to wide temperature changes
- Thixotropic
- Efficient surface wetting
- Easy to use
- Fast cure

APPLICATIONS

All surfaces must be sound, solid, dry and free of all contaminants such as grease, oil, dust, etc.

Mix two part A and one part B per volume (or 100 part A with 61 parts of B by weight) until color is uniform.

Physical properties can be changed if mix ratio varies.

Uncured material can be easily cleaned with solvent T-905.

Please consult **POLYMERES TECHNOLOGIES** for more details based on your application.

TYPICAL PROPERTIES (at 22°C)

		PART A	PART B	MIXED
Viscosity	Brookfield (cps)	B.C. :225,000 H.C. : 20,000	45,000 7,500	Thixo =10,000
Consistency		Liquid	Liquid	Liquid
Density	g/cm ³	1.00	1.22	1.08
Mixing Ratio	1. By weight	2	1	2/1
	2. By volume	100	61	100/61
Color		Gray	Translucent	Gray
Pot life		45 minutes		
Gel Time	6 mils	18 minutes		
Full cure at 25°C	mass of 3.5 kg	7 days ¹		

¹ After material has solidified the curing process can be accelerated at 52°C (125°F).

PHYSICAL PROPERTIES (solid state) 7 days after cure at 22°C

TEST	METHOD	RESULTS	
Hardness	ASTM D 2240 85	Shore A	90
Hardness @150°C-302°F after 30 minutes		Shore A	68-70
Tensile strength	ASTM D 638M 81 TYPE IV	MPa ¹	9
Elongation	ASTM D 638	%	>300
Tear B	ASTM D-624	(N/mm)	30
Water Absorption 24 hours	ASTM D 570 81	%	0.80

PRECAUTIONS

- Consult Material Safety Data Sheet prior to use.
- Ensure proper ventilation.
- Do not mix more material than possible to apply within the recommended pot life.
- Curing time will be extended if used at temperature lower than 20°C.
- Shelf life of product in original closed containers is **one (1) year**.
- **RESEALING:** Many polymers are moisture sensitive, reseal, using one of the following two (2) methods: blanket with nitrogen or use a hair dryer for 30 seconds to cover with dry air.
- Once the container is opened **POLYMÈRES** has no control or responsibility for the shelf life.
- It is recommended to follow Provincial and Federal safety regulations. In case of eye contact, rinse well with water, in case of skin contact, rinse with soap and water. Keep away from children.

GUARANTEE

Seller makes no warranty of any kind, express or implied, as to the merchantability, fitness for any particular purpose, or any other matter with respect to the product **TECHNO bond 3056**. Since conditions of use are beyond seller's control, buyer assumes all risk of use of this product. Under no circumstances will seller be liable for consequential or incidental damages arising out of the use of this product. Seller's sole obligation shall be to replace the product if found to be defective. It is the user's responsibility to determine the suitability for use of this product under the conditions present at the time of application. M.S.D.S. available upon request.

¹ 1 MPa = 145 lb